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CONFIDENTIAL

AIR [redacted] 50X1

SECRET

: [redacted] 50X1
ATTN:

: Chief/KUBRIOT

: AQUATIC
: Leaflet rockets

DOC 89 REV DATE 29 MAY 1980 BY 018373
ORIG COMP 56 OPI 56 TYPE 10
ORIG CLASS S PAGES 2 REV CLASS C
JUST 22 NEXT REV 2010 AUTH: HR 70-2

1. Work on the 1000 meter rocket design is moving ahead satisfactorily. Very successful flights are being obtained with the fin stabilized design. The present design has a firing weight of 3.5 lbs. Of this total weight, 30 ounces is payload. The rocket body has a diameter of 3.5 inches, and it is 24 inches long. The fin diameter is 5 inches, but it is felt that the packing tube can still be used as the launcher rather than a special rail type launcher. The rocket will break down into a very compact package. The fins will be readily detachable, the body will be two halfs of a right circular cylinder. The ogive and base caps along with the motor will slip off the body. This will permit [redacted] 50X1 The construction of the body will be cardboard, and the ogive and end cap will be constructed of molded unreinforced plastic. The motor tube must be of strong reinforced plastic construction to retain the pressures, and yet must be broken up after the ejection of the 30 ounces of leaflets. It is anticipated that a piece of primacord will do the job while the rocket is still well up in the air. The fins are of flat thin plastic. Present cost analysis indicates that these rockets should be capable of construction for [redacted] 50X1 in lots of 100. If larger lots were purchased the cost would be less.

2. Present design problems are the time delay and the breaking up of the motor. Solutions to these problems are almost at hand. It is hoped that a small quantity of rockets can be made available to you for your comment in approximately eight (8) months.

3. Work continues on the 3000 meter design. It is felt that such a rocket can be developed, but that the time required may be one year. The design will be similar to the 1000 meter unit but it will have to incorporate solutions to any new problems, presented by higher velocity of take off take off and additional stresses.

4. Analysis and tests of the 200 rockets, [redacted] 50X1
[redacted] 50X1
has almost been completed. As

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Soon as a report is available it will be forwarded with recommendations and conclusions derived from the work carried out by KUBIOT.

50X1

13 November 1956

ED/P/TSS/ED

50X1

Distribution:
3 -

50X1

1 - RI
1 - RE
1 - SDS thru AC/TSS/RA
1 - ED Chrono
1 - Rocket leaflet
1 - TAD file
TSS/SMB

AC/TSS/R&D
releasing officer

C/TSS/ED
authenticating officer

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